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# Overview of data that government makes freely available

# Our vision for official statistics in Scotland

***The Scottish public sector is one where analytical skill and thinking permeates organisations, ensuring that they understand, and make decisions informed by, high quality evidence. The Scottish Statistical System is at the heart of that process and is internationally respected.***



Scottish Government  
Riaghaltas na h-Alba  
gov.scot



Scottish Funding Council  
Promoting further and higher education



**sustrans**  
JOIN THE MOVEMENT



Scottish  
Social Services  
Council



Scottish Natural Heritage  
All of nature for all of Scotland

**NHS**

National  
Services  
Scotland



**Student**  
Loans Company

# Official statistics producers in Scotland

**HESA**  
HIGHER EDUCATION  
STATISTICS AGENCY

**SEPA**  
Scottish Environment  
Protection Agency



National  
Records of  
Scotland

**NHS**  
**24**



**SCLD**

SCOTTISH  
CHILDREN'S REPORTER  
ADMINISTRATION



**care**  
inspectorate

# Official Statistics on Scotland

## Produced in Scotland

Learning

Economy

Health

Population &  
migration

Social care

Farming &  
fisheries

Justice

Census

Transport

Spending

## Produced about Scotland

Labour market

Welfare

Tax

Economy

Higher  
education



# Code of Practice for Official Statistics



- Purpose: to ensure Government statistics are:
  - High quality
  - Meet the needs of users
  - Well explained
  - Maintain confidentiality
  - Free from political interference
- Assessed by the UK Statistics Authority





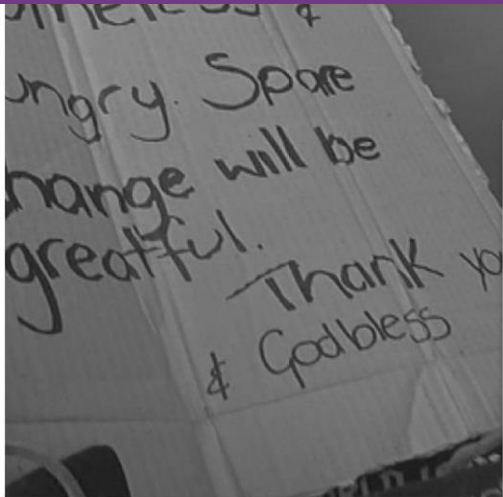


# Our data helps solve complex problems and empowers people

Deprivation & poverty



Homelessness



Housing & households



Community participation



Local democracy

# NATIONAL PERFORMANCE FRAMEWORK

## THE GOVERNMENT'S PURPOSE

To focus government and public services on creating a more successful country, with opportunities for all of Scotland to flourish, through increasing sustainable economic growth

## HIGH LEVEL TARGETS RELATING TO THE PURPOSE

Growth Productivity Participation Population Solidarity Cohesion Sustainability

## STRATEGIC OBJECTIVES

WEALTHIER  
& FAIRER

SMARTER

HEALTHIER

SAFER &  
STRONGER

GREENER

We live in a Scotland that is the most attractive place for doing business in Europe

We realise our full economic potential with more and better employment opportunities for our people

We are better educated, more skilled and more successful, renowned for our research and innovation

Our young people are successful learners, confident individuals, effective contributors and responsible citizens

Our children have the best start in life and are ready to succeed

We live longer, healthier lives

We have tackled the significant inequalities in Scottish society

We have improved the life chances for children, young people and families at risk

We live our lives safe from crime, disorder and danger

We live in well-designed, sustainable places where we are able to access the amenities and services we need

We have strong, resilient and supportive communities where people take responsibility for their own actions and how they affect others

We value and enjoy our built and natural environment and protect it and enhance it for future generations

We take pride in a strong, fair and inclusive national identity

We reduce the local and global environmental impact of our consumption and production

Our people are able to maintain their independence as they get older and are able to access appropriate support when they need it

Our public services are high quality, continually improving, efficient and responsive to local people's needs

## HOW ARE WE DOING?

Visit [www.scotlandperforms.com](http://www.scotlandperforms.com)  
to track latest progress

# National Performance Framework – Measurement Set

Increase Scotland's  
Economic Growth

Improve Productivity

Improve Economic  
Participation

Increase Population  
Growth

## PURPOSE TARGETS

Population – Increase  
Healthy Life Expectancy

Solidarity – Reduce  
Income Inequality

Cohesion – Reduce  
Inequalities in Economic  
Participation Across  
Scotland

Sustainability – Reduce  
Greenhouse Gas  
Emissions

Increase the number of businesses

Increase exports

Improve digital infrastructure

Reduce traffic congestion

Improve Scotland's reputation

Increase research and development spending

Improve knowledge exchange from university research

Improve the skill profile of the population

Increase the proportion of pre-school centres receiving positive inspection reports

Increase the proportion of schools receiving positive inspection reports

Improve levels of educational attainment

Increase the proportion of young people in learning, training or work

Increase the proportion of graduates in positive destinations

Improve children's services

Improve children's dental health

Increase the proportion of babies with a healthy birth weight

Increase the proportion of healthy weight children

Increase physical activity

Improve self-assessed general health

Improve mental wellbeing

Reduce premature mortality

Improve end of life care

Improve support for people with care needs

Reduce emergency admissions to hospital

Improve the quality of healthcare experience

Reduce the percentage of adults who smoke

Reduce alcohol related hospital admissions

Reduce the number of individuals with problem drug use

Improve people's perceptions about the crime rate in their area

Reduce reconviction rates

Reduce crime victimisation rates

Reduce deaths on Scotland's roads

Improve people's perceptions of the quality of public services

Improve the responsiveness of public services

Reduce the proportion of individuals living in poverty

Reduce children's deprivation

Improve access to suitable housing options for those in housing need

Increase the number of new homes

Widen use of the Internet

Improve people's perceptions of their neighbourhood

Increase cultural engagement

Improve the state of Scotland's historic sites

Increase people's use of Scotland's outdoors

Improve the condition of protected nature sites

Increase the abundance of terrestrial breeding birds: biodiversity

Improve the state of Scotland's marine environment

Reduce Scotland's carbon footprint

Increase the proportion of journeys to work made by public or active transport

Reduce waste generated

Increase renewable electricity production

NATIONAL INDICATORS

NATIONAL INDICATORS

NATIONAL OUTCOMES

NATIONAL OUTCOMES

Visit [www.scotlandperforms.com](http://www.scotlandperforms.com) to track latest progress



# 'Where do I start looking for data?'

statistics.gov.scot

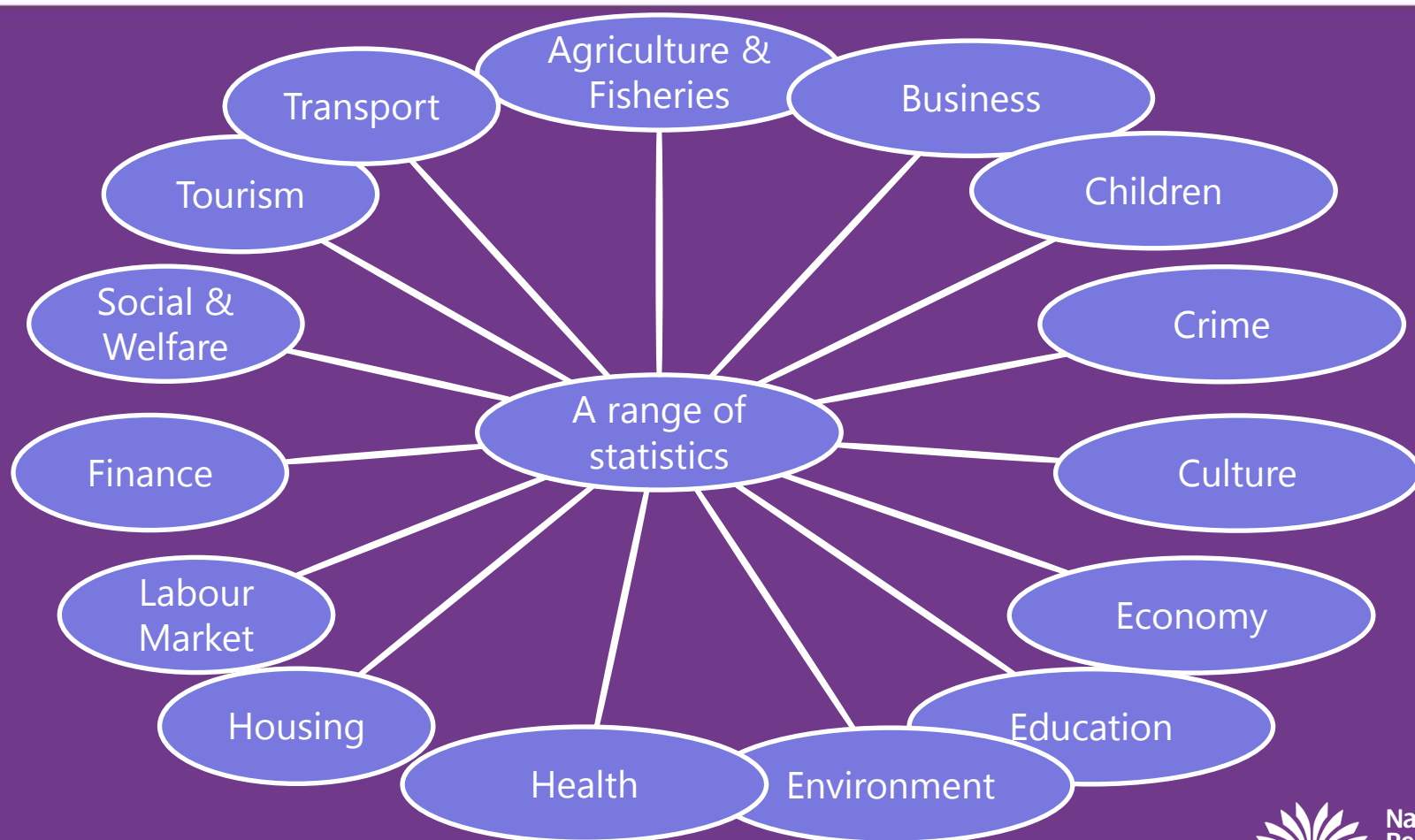
Access to Scotland's Official Statistics

- Includes data from:
  - Accountant in Bankruptcy
  - National Records of Scotland
  - NHS Information Services Division
  - Scottish Government
  - Scottish Natural Heritage
  - SEPA
  - Transport Scotland
- We will have a demonstration of this later on



# Scottish Government statistics

[www.gov.scot/Topics/Statistics](http://www.gov.scot/Topics/Statistics)



# Scottish Government statistics

‘What can I find?’

- Publications – analysis of the results
- High level summary of statistics trends
- Contact details if you need to know more
- Increasingly
  - Infographics
  - Interactive content

## Example



# POVERTY IN SCOTLAND

- Explore what poverty actually means, and hear the voices of people affected
- Statistics illustrated with quotes from people living in poverty, for example:

*"Everything is going up in price. Everything except my wages. I worry so much I am making myself ill. I can't afford to put the heating on, so sit in the cold and go to bed early. I don't know what I'm going to do"*

<http://bit.ly/2lW93pC>



# Scottish Government statistics

‘What else is there?’

- Scottish Index of Multiple Deprivation (SIMD)
- Urban/rural analysis
- Population surveys
- Scotland Performs

# Scottish Index of Multiple Deprivation (SIMD)

No information for this area available.

## ▼ 1. MAP CHOOSER

**SIMD Deciles**

Most Deprived 20%

☐ Most Deprived 10%

☐ Most Deprived 5%

## ▼ 2. AREA FINDER

Layers:

Land Labels

**Datazone Circles**

Council Area: Jump to...

Postcode:

3

### ▼ 3. DOWNLOAD OPTIONS

Selected data: [Download](#)Map: [Download](#) [Print](#)

Download all data &amp; geographies

Aberdeen	Ayr	Dundee	Dunfermline
----------	-----	--------	-------------

Edinburgh	Falkirk	East William
-----------	---------	--------------

Glasgow	Inverness	Motherwell	Perth
---------	-----------	------------	-------

String

Important note: Measures are averaged within each local area. The colour coding on a building is therefore not necessarily indicative of that building. Non-residential buildings are shown but measures do not apply to them.

Contains Scottish Government & Ordnance Survey data  
© Crown copyright & database right 2012-6.

Like Share 1.3K Tweet

<http://simd.scot/2016>

# Example: life expectancy analysis

## Life expectancy at birth was lowest in the most deprived areas of Scotland

for people born around 2012



Source:  
Scotland's  
Population  
2015, NRS



# Urban/rural classification

Provides a standard definition of rural areas

- 1 Large Urban Areas
- 2 Other Urban Areas
- 3 Accessible Small Towns
- 4 Remote Small Towns
- 5 Accessible Rural
- 6 Remote Rural

## Scottish Government Urban/Rural Classification, 2013-2014

### 6 Fold Classification

- Large Urban Areas (with a population of 125,000 or more)
- Other Urban Areas (with a population of 10,000 to 124,999)
- Accessible Small Towns (with a population of 3,000 to 9,999)
- Remote Small Towns (with a population of 3,000 to 9,999)
- Accessible Rural (with a population of less than 3,000)
- Remote Rural (with a population of less than 3,000)

#### Note:

Accessible Areas are defined as those areas that are within a 30 minute drive time from the centre of a Settlement with a population of 10,000 or more, while Remote Areas have a drive time which is greater than 30 minutes.

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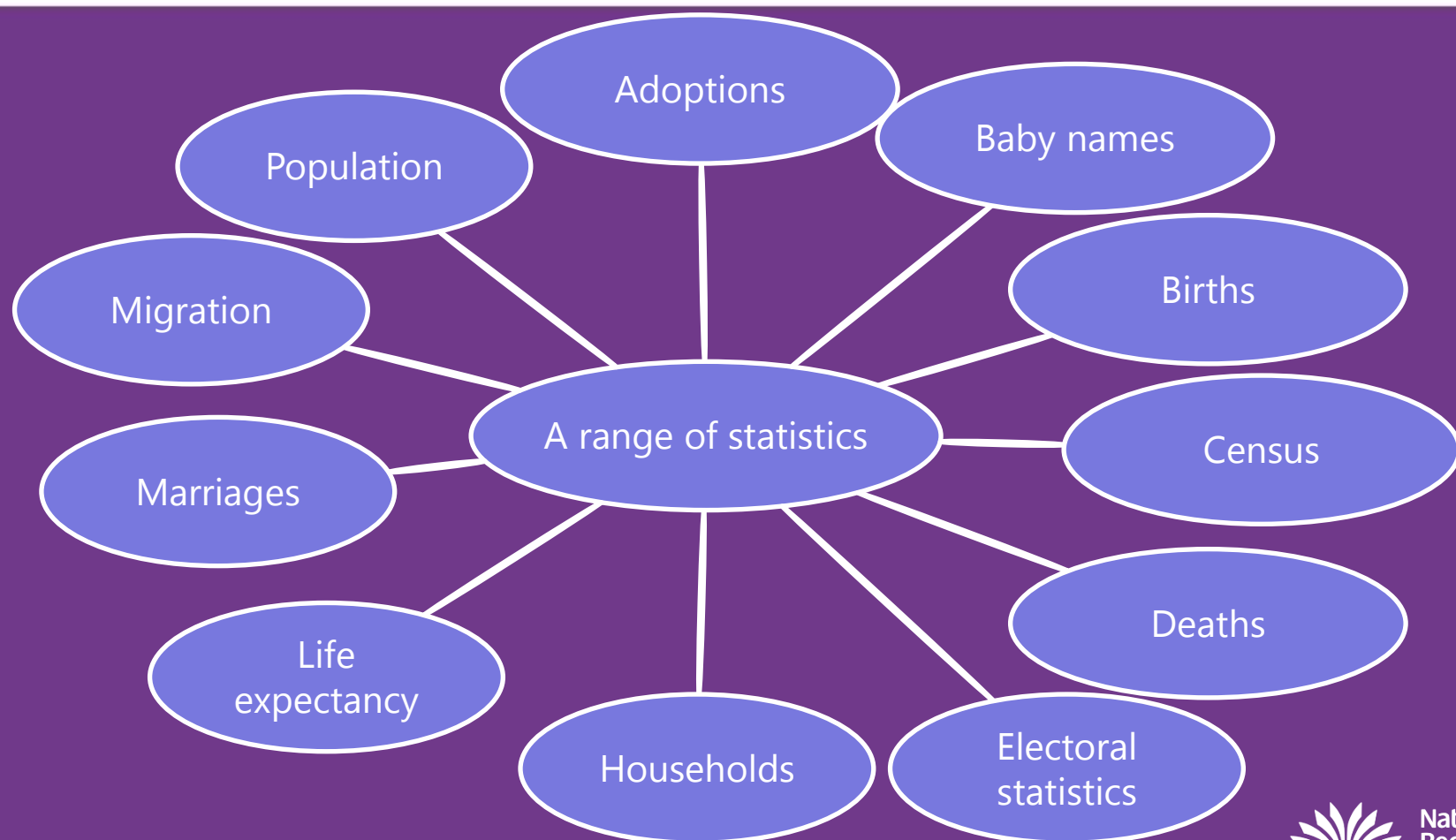
Scottish Government GI Science & Analysis Team, October 2014, Job 5547aj





# National Records of Scotland statistics

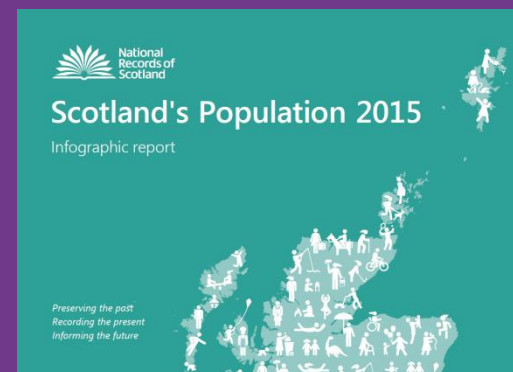
[www.nrscotland.gov.uk](http://www.nrscotland.gov.uk)



# National Records of Scotland statistics

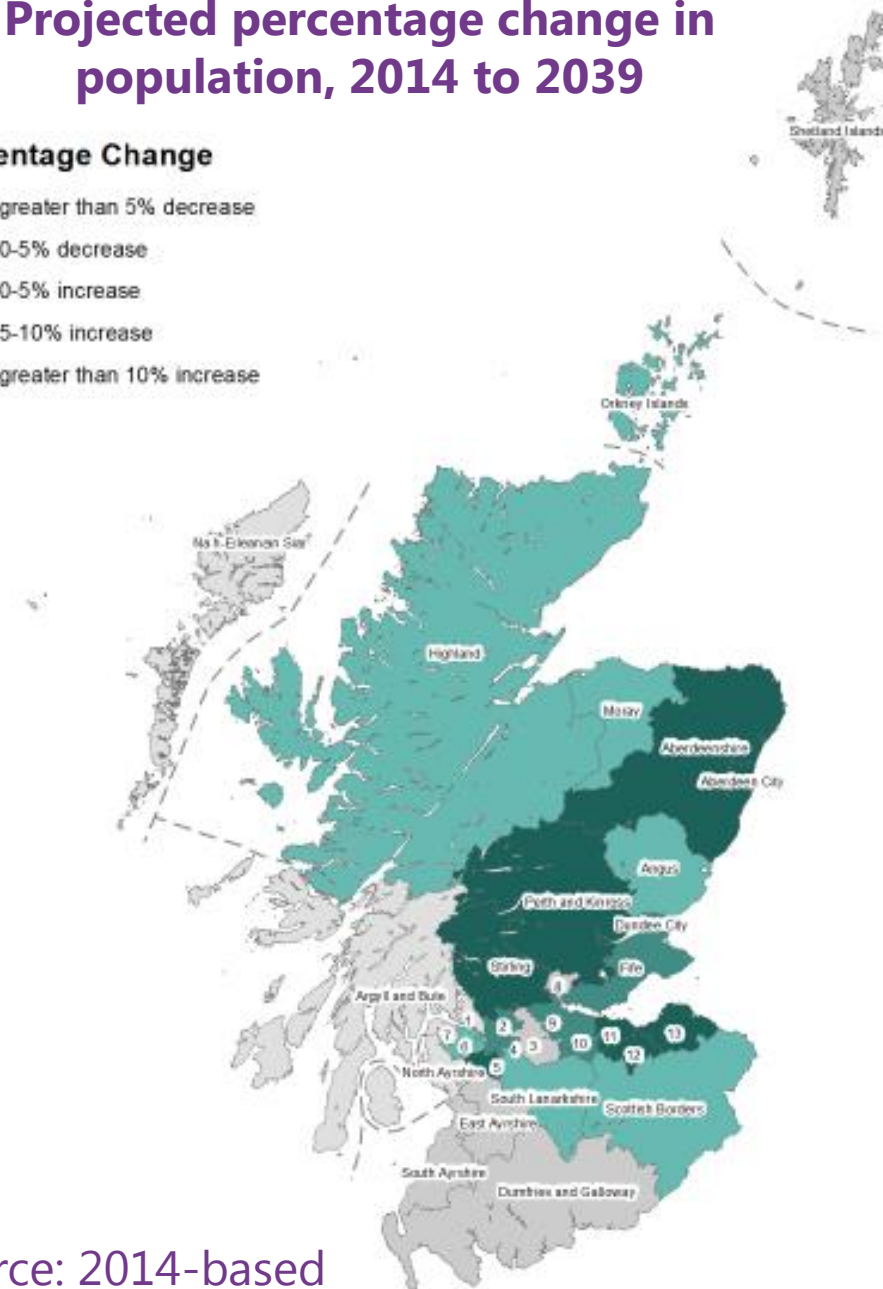
‘What can I find?’

- Demography publications / data
- Census
- Summary statistics
  - ‘Scotland’s Population’ summary
  - Council area profiles
    - Select your area to find a statistical summary
  - High level summary of statistics trends
  - Infographics and visualisations



## Used for:

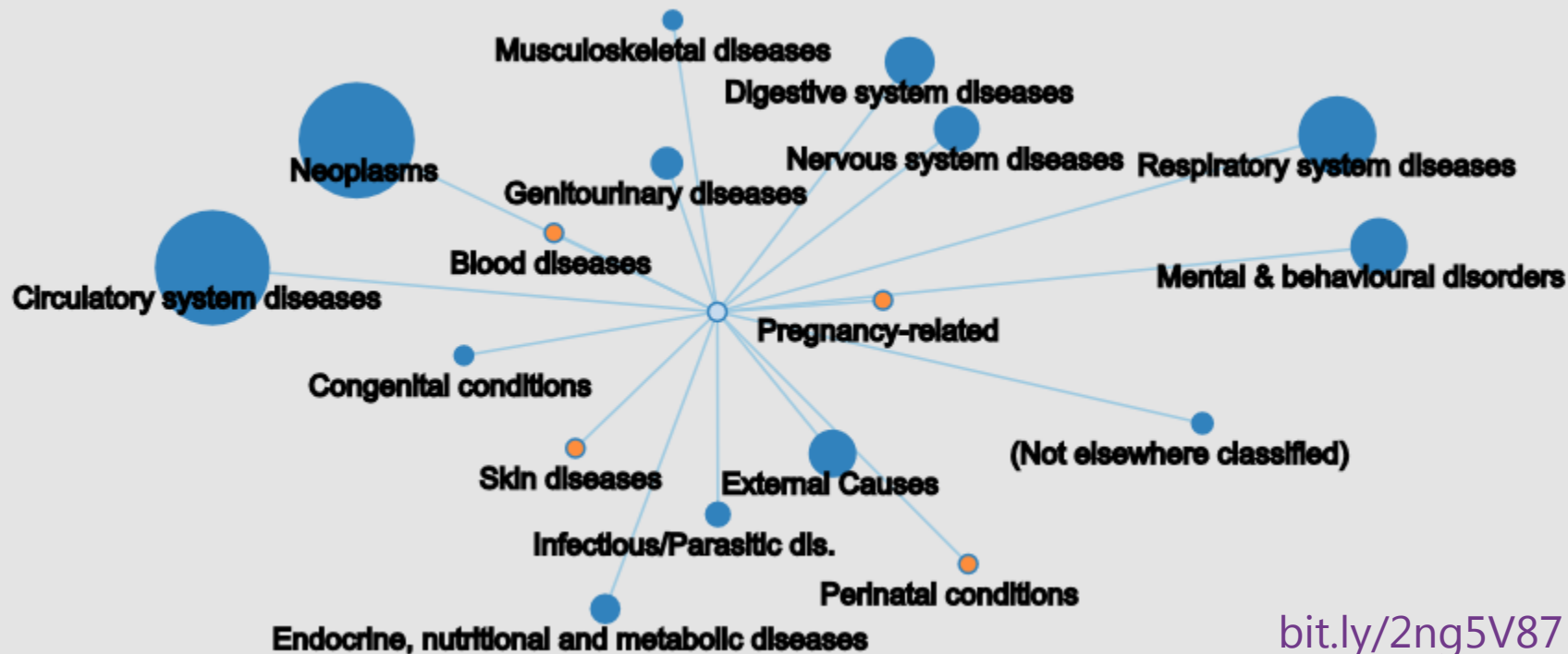
- ### Projected percentage change in population, 2014 to 2039



Source: 2014-based population projections, NRS

# Example: Cause of death

## Interactive data visualisation





[Census Results](#)[Census Data Explorer](#)[Supporting Information](#)[Using Census Data](#)[News](#)[Help](#)

## Area Profiles



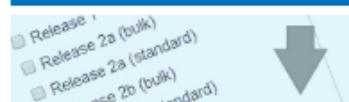
## Maps and Charts



## Standard Outputs



## Data Warehouse



## Welcome to Scotland's Census

Scotland's Census paints an important picture of the characteristics of our population. The information is vital to help shape Scotland's future by informing key decisions on how services such as transport, housing, schools and hospitals are planned.

Planning is now underway for [Scotland's Census 2021](#), to be kept updated on Scotland's Census [subscribe to our newsletter](#)

## News

### [Latest from Scotland's Census 2021](#)

23.12.2016

### [2021 Topic Consultation Report published](#)

15.08.2016

### [Scotland's Census 2011 Microdata published](#)

29.03.2016

[Read more news...](#)

shaping our future census

# 2021

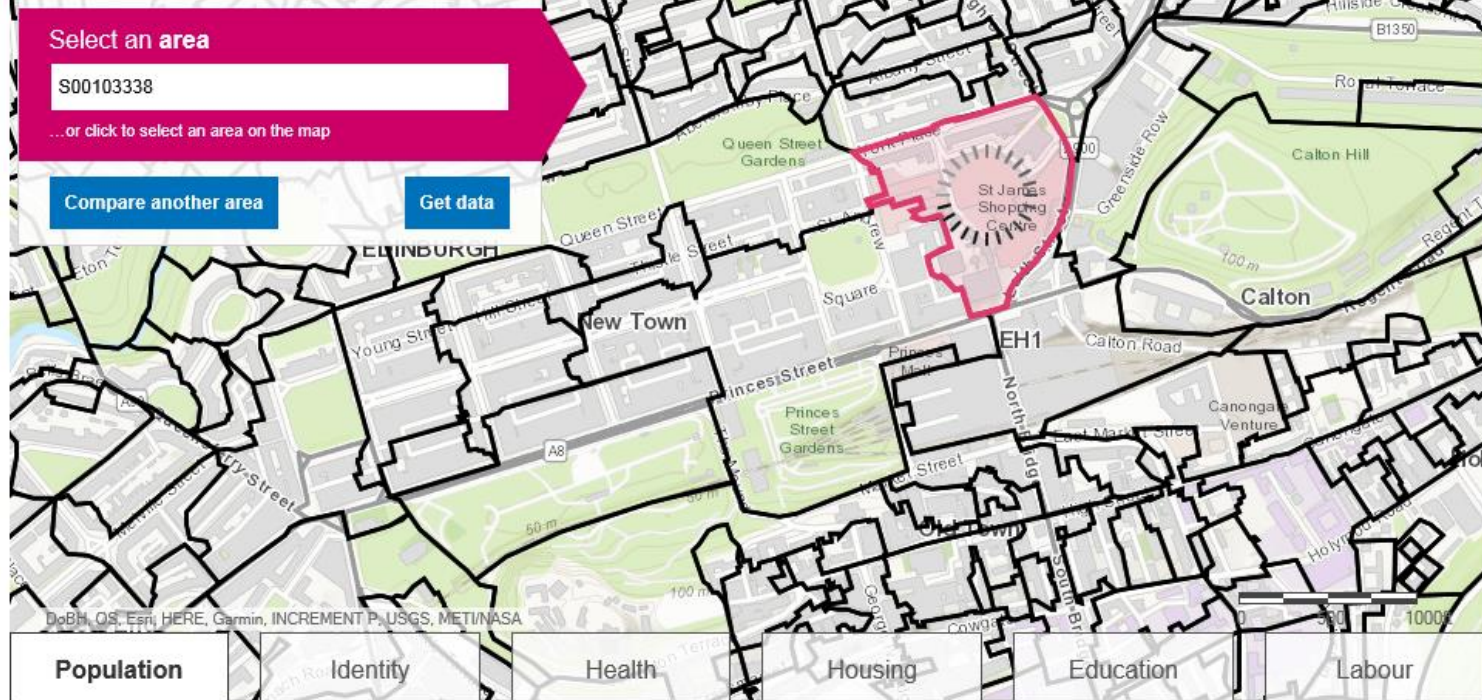
find out more...

Scotland's Census 2021



## Did you know?

*There were 7,000 people (0.2 per cent of adults) who reported that they were in registered same-sex civil partnerships.*



The Output area selected **S00103350** contains the following postcodes **EH2 2NN, EH2 3AA, EH2 3AH, EH2 2EY, EH2 2HB, EH2 3JD, EH2 2EN, EH2 2ER, EH2 3JF, EH2 3JG, EH2 2HG.**

## Population

Interesting facts Sex Age Marital status Resident type Household composition

Print Interesting facts data Print Population data

Download Population data

	<b>S00103350</b> Output Area 2011	<b>Scotland</b> 2011
Median age - Females	23	42
Median age - Males	27	40
Number of males per female - under 25	0.85	1.03
Number of males per female - 25 to 64		

# The average Scot

## In the late 1850s

- was called John Smith or Mary Macdonald
- had a 1 in 7 chance of dying before their first birthday
- lived almost 2 to a room, with a 1 in 3 chance of sharing the room with the whole family
- got married at 27 (John) and 25 (Mary)
- had a life expectancy at birth of 40 (John) and 44 (Mary)

## Now

- is called Jack Smith or Olivia Brown
- has a nearly 1 in 300 chance of dying before their first birthday
- each has 2 rooms to live in
- gets married at 33 (Jack) and 31 (Emma)
- has a life expectancy at birth of 77 (Jack) or 81 (Olivia)



# ISD – Health statistics

Information Services Division (ISD) is a division of National Services Scotland, part of NHS Scotland



# Scottish Patients at Risk of Readmission and Admission

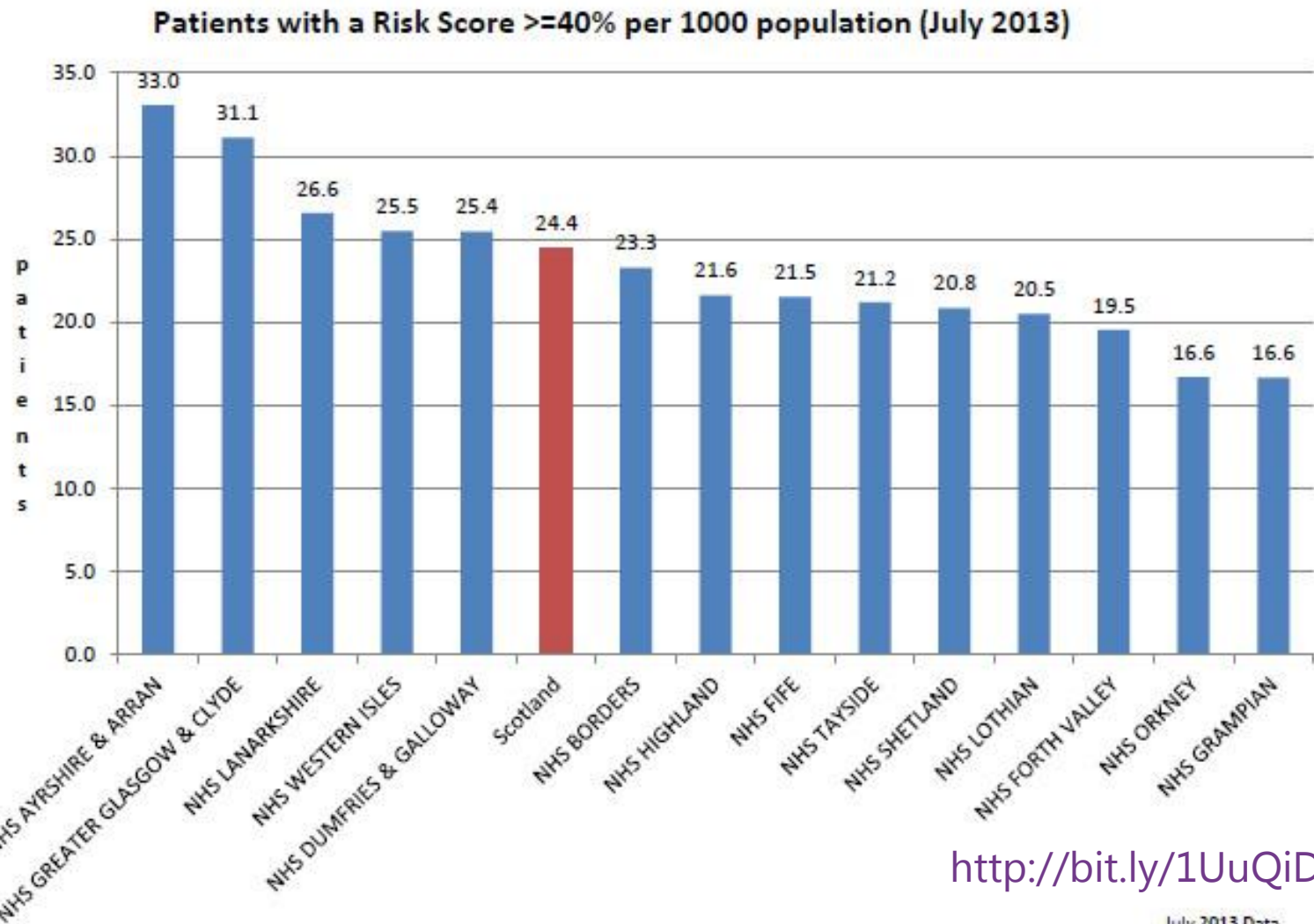
Predicts an individual's risk of being admitted to hospital as an emergency inpatient within the next year

- Can help health care professionals to prioritise patients with complex care needs who are likely to benefit most from anticipatory health care.
- Used to plan services by locating groups of patients who would benefit from specific interventions or services.





# Patients with a high risk of re-admission



Higher SPARRA risk scores are more common in the West of Scotland.

# Hospital Standardised Mortality Ratios

Adjust death data to take account of risk factors, e.g. age, diagnosis etc

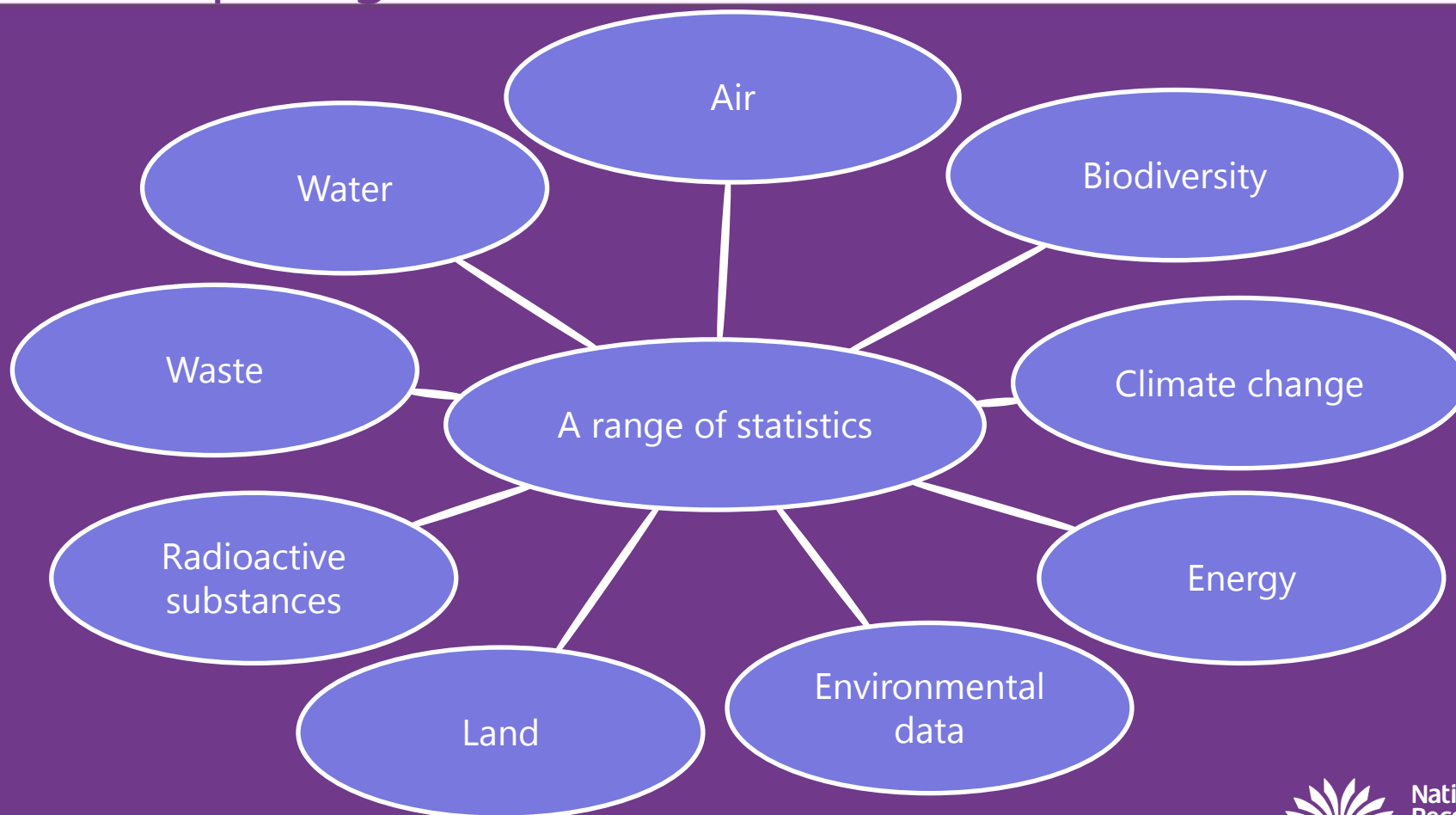
- Compare predicted number of deaths with actual numbers.
- Look for:
  - Higher than average
  - Increasing over time
- Used by hospitals, NHS Boards, Health Improvement Scotland and Scottish Government.
- A good example of using data to save lives.



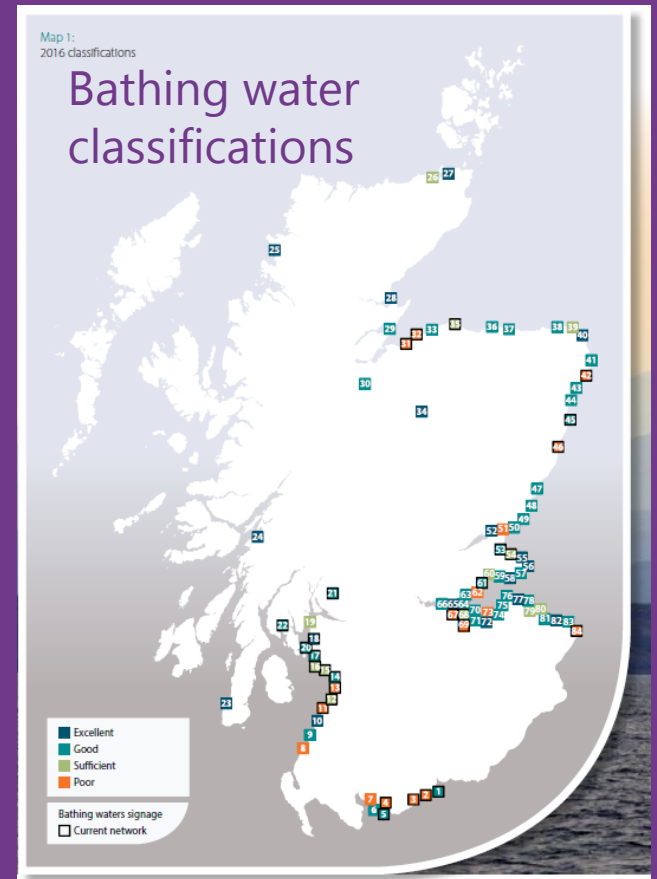
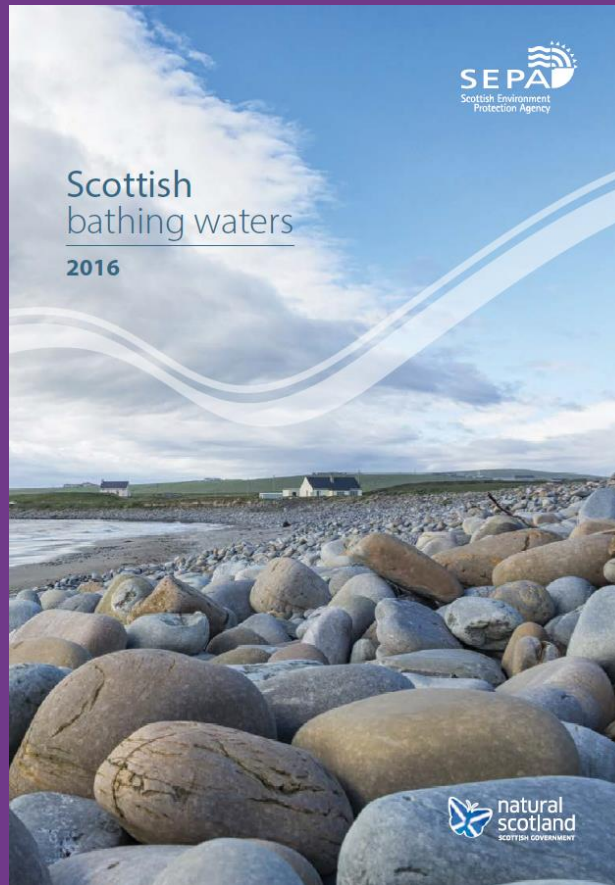
# SEPA

Scottish Environment Protection Agency

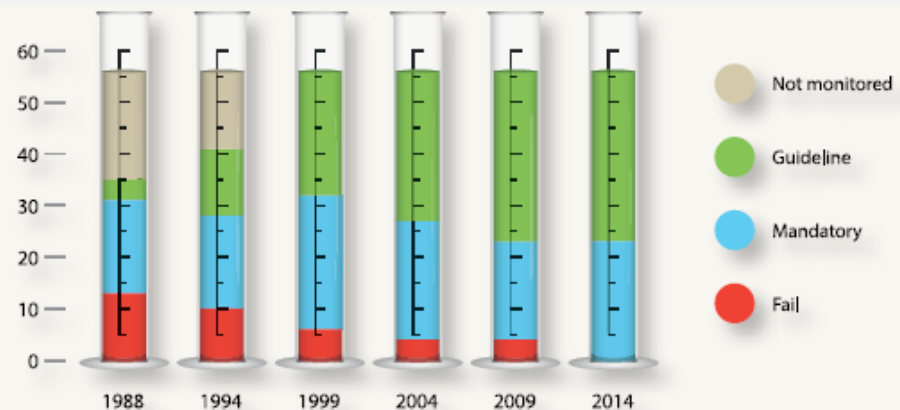
[www.sepa.org.uk/environment/environmental-data](http://www.sepa.org.uk/environment/environmental-data)



# Example: Scottish bathing waters report



## Bathing water results, 1988-2014





[Return to SEPA homepage](#)

## SEPA Water Level Data

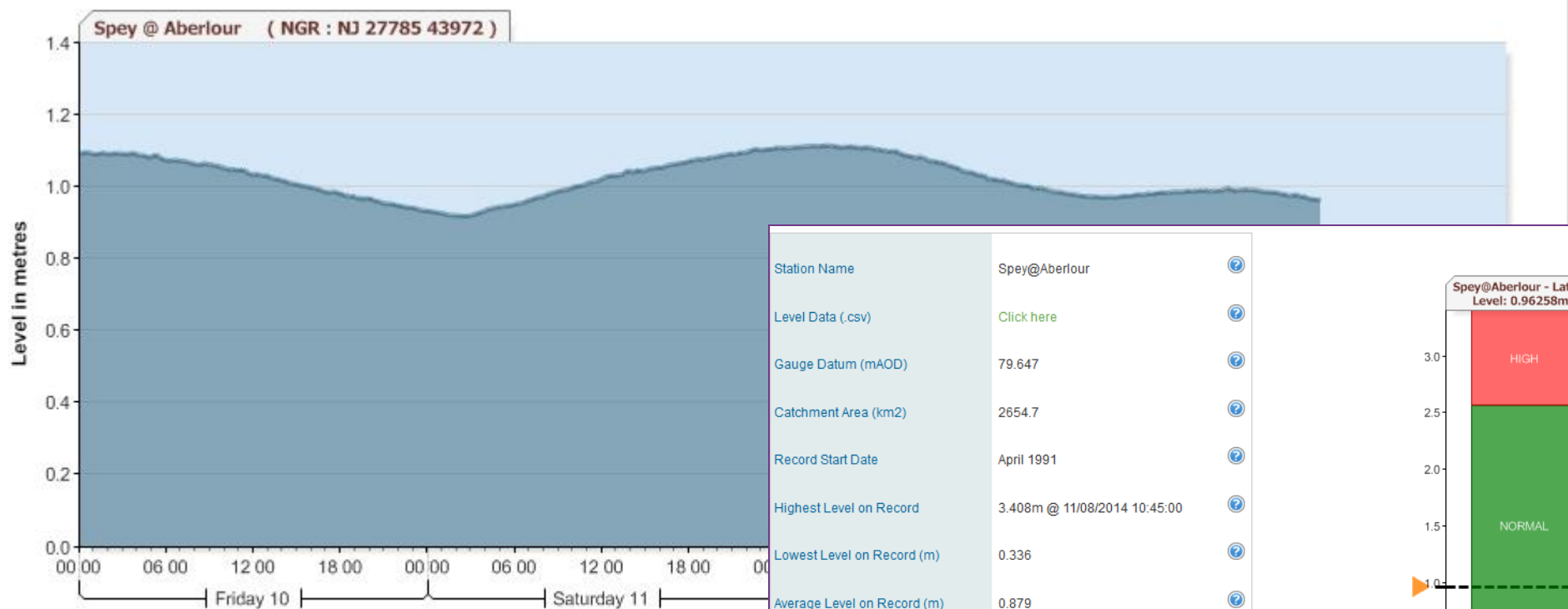
Please note: An overview of the available sites and their details are available via the following CSV file: [River Level Metadata](#)

[Text Search](#)

[Map Search](#)

[FAQ's](#)

[Flood Information](#)







Return

Available Returns - 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 **2015**

Date Last Submitted: 13/04/2016

#### Section A - Address Details

##### Site Details

Site Name	Oakenhead Wood STW, Lossiemouth, Elgin
Address	Inchbroom Road
	Lossiemouth
	Elgin
	Moray
Post Code	IV31 6RX

# Conclusion

- This is an overview – there is a lot more out there!
- You will have a chance to talk to people from all these organisations during the interactive session.
- Next we will have some examples of ways people have used/visualised data like this.

# Questions / discussion

